

- (b) in the pre-existing intracellular pathway for the synthesis [of] or degradation of starch, or
- (c) in the pre-existing intracellular pathway for the synthesis or degradation of sucrose or reducing sugar, and

[(11)] (ii) regenerating a plant from the transformed cell.

21. (thrice amended) A transgenic potato plant according to claim 20,  
which additionally harbors in its cells a second chimaeric gene which [wherein the gene also] comprises a second promoter operably linked to a second coding sequence which encodes [for] a second enzyme; said second chimaeric gene being capable of expression in the cells of the transgenic potato plant.

Please add the following new claims.

- 60. (new) A process for producing a transgenic plant, which comprises:
  - (a) transforming a plant cell with a chimeric gene comprising a promoter operably linked to a sequence encoding an adenosine diphosphoglucose pyrophosphorylase to produce a transgenic plant cell, and
  - (b) regenerating the transgenic plant from the transgenic plant cell, wherein the promoter causes expression of the sequence in the transgenic plant.

61. (new) The process according to claim 60, wherein the sequence is from a bacterium.

62. (new) The process according to claim 60, wherein the transgenic plant cell is a potato cell.

63. (new) The process according to claim 62, wherein the transgenic plant cell is a cell of the potato cultivar Desiree, Maris Bard, Record or Russet Burbank.

64. (new) A transgenic plant having a chimeric gene comprising a promoter operably linked to a sequence encoding an adenosine diphosphoglucose